

Abstract

A system and method for previewing a sequence of motion control operations. A user may utilize a motion control prototyping environment application to easily and efficiently develop/prototype a motion control sequence. For example, the environment may provide a graphical user interface (GUI) enabling the user to develop/prototype the motion control sequence at a high level, by selecting from and configuring a sequence of motion control operations using the GUI. The graphical user interface of the motion control prototyping environment may enable the user to preview various aspects of the motion performed by a motion control sequence in one or more preview windows, e.g., a velocity profile, an acceleration profile, position plots, etc., in advance before commanding the motor to perform the sequence of moves.